Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd & Part bill Date.....20.....

Division: Yelahanka Projects.
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.....

Name of Work: (Package -5), 1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No. 02. 2) Improvements and Asphalting to New Post Office main road and cross roads in Ward No. 01. 3) Improvements and Asphalting to Sugappa layout cross roads in Ward No. 01. 4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in Ward No. 01. 5) Asphalting to Balance Roads in A & B Sector of Yelahanka New Town in Ward No. 04

Job Code No: 002-17-000059 **P Code No: 3158 (SIP)** **Est. cost: 465.00 lakhs**

Name of Contractor and Full Address : Sri. R. Lokesh, Bangalore.

Work Order No: EE(Project)/ Ynk Zone/WO/202/2017-18, Dated : 23-03-2018

Certified that the measurements were taken by me on 31.08.2020 and recorded in pages 17743 to 17746. of measurement Book No. 03/17-18 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 31.08.2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Sub-Division Officer

1) Total value of work done or supplies made as per account within		1389250-00
2) Deduct amount to be held in reserve being.....percent Rs.....		139000-00
3) Deduct amount to be held in Balance		124040-00
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....		124040-00
Amount adjusted towards cash advance recovery of		13900-00
b) Payments cost store or other materials supplied.		138900-00
Now made recovery of amount creditable to this/other work		819262-00
Amount paid on this bill Cheque/Cash		
5) Balance being unpaid value of work done held in reserve		1359142-00
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7) Net amount due to or from contractor		1253358-00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.
Witnesses :
1.
2.

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment

(For use in the Office)

Head of Account 3158

Audited & Admitted for Rs. 1389250

Passed for Rs. 1253358-00

Paid To R. Lokesh

By Adjustment Rs. 135142-00

Executive Engineer

Name of Work: (Package :5). 1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No. 02. 2) Improvements and Asphalting to New Post Office main road and cross roads in Ward No. 01. 3) Improvements and Asphalting to Suppa layout cross roads in Ward No. 01. 4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in Ward No. 01. 5) Asphalting to Balance Roads in A & B Sector of Yelahanka New Town in Ward No. 04

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Removing B.S.Slabsand stacking etc complete.	Sqm	2591.50	68.35	177129.03	2306.25	157632.19		68.35	0.00	2306.25	157632.19
2	Refixing stone slabs of drains and pointing in C.M	Sqm	2372.65	83.78	198780.62	2148.90	180034.84		83.78	0.00	2148.90	180034.84
3	KSRRB 200-9. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.	Sqm	13056.00	9.92	129515.52	0.00	0.00	13054.63	9.92	129501.88	13054.63	129501.88
4	KSRRB 200-1. Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specifications.	Each	25.00	208.35	5208.75	0.00	0.00		208.35	0.00	0.00	0.00
5	Removing stumps, tree roots, roots of bamboo cluster etc., with 8.2.2 girth above 1.50 m and upto 3.00 m including excavation, stacking materials neatly and levelling area etc., complete with lead upto 50 m and all lifts.	Each	25.00	91.52	2288.00	0.00	0.00		91.52	0.00	0.00	0.00
6	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - - A.C. sheet	Sqm	596.17	68.35	40748.15	0.00	0.00		68.35	0.00	0.00	0.00
7	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above.	Cum	157.70	1126.65	177676.39	0.00	0.00		1126.65	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
8	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar.	Cum	284.29	225.99	64247.76	0.00	0.00		225.99	0.00	0.00	0.00
9	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m.	Sqm	1344.14	171.97	231151.76	0.00	0.00		171.97	0.00	0.00	0.00
10	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m	Sqm	693.46	60.63	42044.72	0.00	0.00		60.63	0.00	0.00	0.00
11	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking	Cum	1821.50	90.40	164663.15	735.57	66495.53		90.40	0.00	735.57	66495.53
12	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	9093.52	50.71	461132.40	4192.23	212587.98	4901.29	50.71	248544.42	9093.52	461132.40
13	KSRRB 300-8. Excavation in hard rock by chiselling and / or wedging where blasting is prohibited for formation of roads including stacking to uniform line and level including cost of all labour complete as per specifications.	Cum	48.00	1243.51	59688.48	0.00	0.00		1243.51	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
14	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	69.35	5562.71	385746.12	11.34	63081.13	2.88	5562.71	16020.60	14.22	79101.74
15	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6	Cum	100.35	6626.53	664972.29	0.00	0.00	6.79	6626.53	44991.49	6.79	44991.49
16	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.	Tn	9.56	66813.16	639051.17	0.00	0.00	0.60	66813.16	39911.51	0.60	39911.51
17	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2	Sqm	1356.00	323.00	437988.00	0.00	0.00	28.56	323.00	9224.88	28.56	9224.88

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement			Present Measurement		Up to date	
18	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	689.85	1976.00	1363143.60	0.00	0.00		1976.00	0.00	0.00	0.00
19	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm	1750.00	726.48	1271340.00	0.00	0.00		726.48	0.00	0.00	0.00
20	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete.	m	2800.00	30.87	86436.00	0.00	0.00		30.87	0.00	0.00	0.00
21	KSRB13-10.3 : Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	m	525.00	120.16	63084.00	0.00	0.00		120.16	0.00	0.00	0.00
22	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	756.00	76.07	57508.92	0.00	0.00		76.07	0.00	0.00	0.00
23	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	78.12	4615.75	360582.39	28.35	130856.51		4615.75	0.00	28.35	130856.51

Sl No	Description of Work	Unit	As per Shedule 'B'			Previous measurement		Present Measurement			Up to date	
24	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	12.72	5998.16	76296.60	6.30	37788.41		5998.16	0.00	6.30	37788.41
25	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	127.20	5529.68	703375.30	31.50	174184.92	18.00	5529.68	99534.24	49.50	273719.16
26	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305	Cum	10913.18	332.92	3633214.22	0.00	0.00	10913.18	332.92	3633214.22	10913.18	3633214.22
27	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	18121.50	5.51	99849.47	6658.08	36686.02	9709.70	5.51	53500.45	16367.78	90186.47
28	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications.	Cum	4054.84	1731.87	7022455.75	1362.00	2358806.94	2427.43	1731.87	4203984.53	3789.43	6562791.47

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
29	KSRRB M400-17 : Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	4642.30	1838.80	8536260.32	2108.57	3877238.52	2427.43	1838.80	4463549.09	4536.00	8340787.61
30	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	7482.00	3.30	24690.60	7482.00	24690.60		3.30	0.00	7482.00	24690.60
31	KSRRB 500-6.Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications.	Sqm	19242.22	28.66	551482.03	10274.78	294475.19		28.66	0.00	10274.78	294475.19
32	KSRRB 500-9. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on granular base such as WBM surface hot bitumen primed at 4kg per 10 sqm,heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour,HOM of machineries complete as per specifications. MORTH / Chapter 5	Sqm	46284.83	22.46	1039557.28	29277.91	657581.86		22.46	0.00	29277.91	657581.86
33	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	1042.84	7544.53	7867707.49	502.52	3791277.22		7544.53	0.00	502.52	3791277.22

Sl No	Description of Work	Unit	As per Module 8			Previous measurement		Present Measurement		Up to date	
34	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder a and filler, transporting the hot mix to work site, laying with a paver finisher with to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects as per specifications. using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30 Bitumen	Cum	934.05	8600.00	8032658.38	511.58	4399588.00		0.00	511.58	4399588.00
35	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	Nos	2844.00	345.05	981322.20	0.00	0.00	345.05	0.00	0.00	0.00
36	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	448.00	66.14	29630.72	0.00	0.00	66.14	0.00	0.00	0.00
37	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	1007.85	563.00	567419.55	0.00	0.00	563.00	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
38	K5RRB M800 Road markers / Road stud K5RRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos	465.00	373.71	173775.15	0.00	0.00		373.71	0.00	0.00	0.00
39	Manufacturing, supply and Fixing of retro -reflection road name sign board single arrow size 1.98mx0.90m size made out if wide angle cube corner micro primatic grade sheeting confirming IRC : 67:2000 and type XI standards of ASTM D 4956-09 specification and fixed over 2mm thick allluminium sheet back support frame of stainless steel supported by 30NB 1.2mm thick stainless steel pipe all around and 65NB 1.5mm thick pipe vertical post (AISI 202 Grade) firmly fixed to the ground by means of propoerly designed foundation with M15 grade cement concrete 30cmx30cmx45cm etc. complete. The information message shall be made out of cut out letters in blue color transparent overlay film as per IRC 67:2000 guide lines , 7 years pre qualification waranty for retro reflective sheeting from the original sheeting manufacturer and a certified copy of three years outdoor exposer report from an independent test lab for the product offered shall be submitted by the contractor. The sign board shall be retro-reflective type XL including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Nos	2.00	29380.00	58760.00	0.00	0.00		29380.00	0.00	0.00	0.00
40	Loading and unloading of stone boulders/stone aggregates/ sand/kankar/ Moorum including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Cum	11852.85	70.72	838233.76	4927.79	348493.31	6925.06	70.72	489740.45	11852.85	838233.76

Sl No	Description of Work	Unit	As per Shedule @			Previous measurement		Present Measurement			Up to date	
41	Cost of haulage Excluding loading and unloading including all lead and lift and as per specification and direction of the Engineer in charge of the work.	Cum	11852.79	66.55	788803.37	4927.79	327944.42	6925.00	66.55	460858.95	11852.79	788803.37
	Total				48109819.39		17139443.59			13892576.71		31032020.3

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer